

VU Research Portal

DISRUPTED CELLULAR BARRIERS IN KIDNEY FAILURE

Vila Cuenca, M.

2019

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Vila Cuenca, M. (2019). *DISRUPTED CELLULAR BARRIERS IN KIDNEY FAILURE: The endothelium and the peritoneal membrane*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

TABLE OF CONTENTS

| | |
|--|------------|
| General Introduction | 7 |
| - Part I | |
| Chapter 1 | 21 |
| Most exposed: The Endothelium in Chronic Kidney Disease | |
| Chapter 2 | 49 |
| Vitamin D attenuates endothelial dysfunction in uremic rats and maintains human endothelial stability | |
| Chapter 3 | 75 |
| Stabilization of cell-cell junctions by active vitamin D ameliorates uremia-induced loss of human endothelial barrier function | |
| Chapter 4 | 101 |
| Effect of uremia and active vitamin D therapy in Nε-(carboximethyl)lysine depositions in intramyocardial blood vessels | |
| - Part II | |
| Chapter 5 | 115 |
| Prevention and treatment of peritoneal remodeling in Peritoneal dialysis: targeting chronic inflammation | |
| Chapter 6 | 129 |
| Protective effects of paricalcitol on peritoneal remodeling during peritoneal dialysis | |
| Chapter 7 | 151 |
| The dipeptide alanyl-glutamine ameliorates peritoneal fibrosis and attenuates IL-17 dependent pathways during peritoneal dialysis | |
| Chapter 8 | 173 |
| Differences in peritoneal response after exposure of low GDP Bicarbonate/Lactate-Buffered compared to Conventional Dialysis Solution in a uremic mouse model | |
| General Discussion | 191 |
| Appendix | 211 |